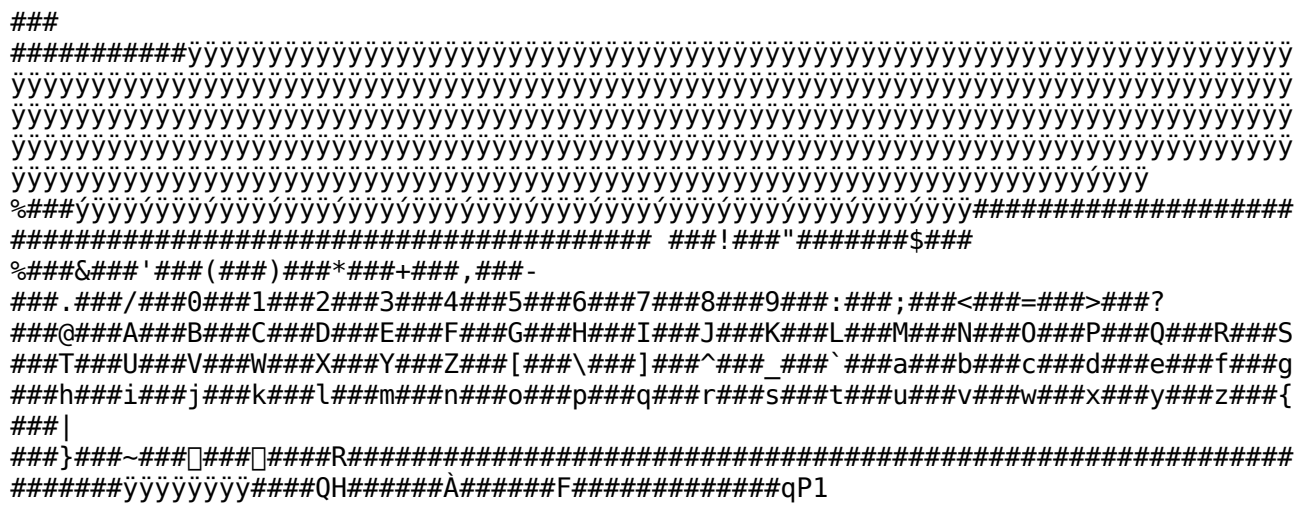

##ÿÿ#####ÿ¥#ÿÿ#d#########d###########ObjectivesThe ACTD will utilize sensors, reliable near real time communications paths, and capable workstations to increase the value of Unattended Ground Sensors (UGS) on the battlefield. The missions that will be addressed are the measurement of local weather conditions and the detection of deep time-critical targets.Technology UGS are available from a number of DoD agencies. These UGS will be integrated into a coherent ensemble for use on the battlefield. New sensor concepts will also be developed, such as the miniaturization and repackaging of existing UGS. Lead Service and User SponsorsThe User Sponsors for this ACTD will be CENTCOM and SOCOM. The acquisition agents are DARPA, the Central MASINT Office (CMO), and SOCOM. The lead Service will be the Air Force.ScheduleEnvironmental characterization is planned for FY97 to FY98. Deep target prosecution evaluation is scheduled for FY97 to FY99.V#

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#ÿÿÿÿ#########□###□###########
#####□#□########### #¾#¡#À#9psecurrentpoint/picTop exch def/picLeft exch defpsb
### #¿#"#□#□### #¾#¡#À#=psecurrentpoint/picBottom exch def/picRight exch defpsb
### #¿# #¾#¡#À##[ -151 -51 747 847]#¡#À#Û1 dict begin /s exch defpicLeft picTop
translatepicRight picLeft sub s 2 get s 0 get sub divpicBottom picTop sub s 1
get s 3 get sub divscales 0 get neg s 3 get neg translateend/showpage {}
def/copypage {} def###¡#À #%!PS-Adobe-3.0 EPSF-3.0%%Creator: Adobe
Illustrator(TM) 3.2%%For: (Homer S.) (Springfield Power)%%Title: (DoDseal.ai)%
%CreationDate: (7/1/93) (11:25 AM)%%BoundingBox: -151 -51 747 847%
%DocumentProcessColors: Black%%DocumentSuppliedResources: procset
Adobe_packedarray 2.0 0%%+ procset Adobe_cmykcolor 1.1 0%%+ procset Adobe_cshow
1.1 0%%+ procset Adobe_customcolor 1.0 0%%+ procset Adobe_IllustratorA_AI3 1.0 1
%AI3_ColorUsage: Color%%DocumentCustomColors: (P3)%%+ (P42)%%+ (PANTONE 122 CV)%
%+ (PANTONE 186 CV)%%+ (PANTONE 282 CV)%%+ (PANTONE 299 CV)%%+ (PANTONE 361 CV)%
%+ (PANTONE 364 CV)%%+ (PANTONE 387 CV)%%+ (PANTONE 463 CV)%%+ (SOLID BLACK)%
%CMYKCustomColor: 0.03 0.1 0.9 0 (P3)%%+ 0.2 0.4 0.9 0 (P42)%%+ 0 0.185 0.83 0
(PANTONE 122 CV)%%+ 0 0.91 0.76 0.06 (PANTONE 186 CV)%%+ 1 0.72 0 0.56 (PANTONE
282 CV)%%+ 0.87 0.185 0 0 (PANTONE 299 CV)%%+ 0.38 0 0.51 0 (PANTONE 359 CV)%%+
0.6 0 0.79 0 (PANTONE 360 CV)%%+ 0.76 0 0.91 0 (PANTONE 361 CV)%%+ 0.72 0 1 0.43
(PANTONE 364 CV)%%+ 0.115 0 0.76 0 (PANTONE 387 CV)%%+ 0.6 0.65 1 0 (PANTONE 463
CV)%%+ 1 1 1 1 (SOLID BLACK)%AI3_TemplateBox: 306 396 306 396%AI3_TileBox: -202
-396 814 1188%AI3_DocumentPreview: Macintosh_ColorPic%%EndComments%%BeginProlog%
%BeginResource: procset Adobe_packedarray 2.0 0%%Title: (Packed Array Operators)
%%Version: 2.0 %%CreationDate: (8/2/90) ()%%Copyright: ((C) 1987-1990 Adobe
Systems Incorporated All Rights Reserved)userdict /Adobe_packedarray 5 dict dup
begin put/initialize               % - initialize -{/packedarray where {     pop
      }     {     Adobe_packedarray begin Adobe_packedarray      {          dup
xcheck                 {                 bind              } if       userdict
3 1 roll put           } forall    end   } ifelse} def/terminate           % -
terminate -{} def/packedarray      % arguments count packedarray array{array
astore readonly} def/setpacking                % boolean setpacking -{pop} def
/currentpacking        % - setpacking boolean{false} defcurrentdict readonly
pop end%%EndResourceAdobe_packedarray /initialize get exec%%BeginResource:
procset Adobe_cmykcolor 1.1 0%%Title: (CMYK Color Operators)%%Version: 1.1 %
%CreationDate: (1/23/89) ()%%Copyright: ((C) 1987-1990 Adobe Systems
Incorporated All Rights Reserved)currentpacking true setpackinguserdict
/Adobe_cmykcolor 4 dict dup begin put/initialize                % - initialize
-{/setcmykcolor where  {     pop   }     {     userdict /Adobe_cmykcolor_vars 2
dict dup begin put     /_setrgbcolor          /setrgbcolor load def
      /_currentrgbcolor      /currentrgbcolor load def    Adobe_cmykcolor begin
      Adobe_cmykcolor        {           dup xcheck            {
      bind             } if        pop pop           } forall    end   end
      Adobe_cmykcolor begin  } ifelse} def/terminate            % - terminate -
{currentdict Adobe_cmykcolor eq    {     end   } if} def/setcmykcolor       %
cyan magenta yellow black setcmykcolor -{1 sub 4 1 roll3   {     3 index add neg
dup 0 lt         {           pop 0       } if  3 1 roll    } repeat
Adobe_cmykcolor_vars /_setrgbcolor get execpop} def /currentcmykcolor  % -
currentcmykcolor cyan magenta yellow black{Adobe_cmykcolor_vars
/_currentrgbcolor get exec3  {     1 sub neg 3 1 roll     } repeat0} def
currentdict readonly pop endsetpacking%%EndResource%%BeginResource: procset
Adobe_cshow 1.1 0%%Title: (cshow Operator)%%Version: 1.1 %%CreationDate:
(1/23/89) ()%%Copyright: ((C) 1987-1990 Adobe Systems Incorporated All Rights
Reserved)currentpacking true setpackinguserdict /Adobe_cshow 3 dict dup begin
put/initialize               % - initialize -{/cshow where {     pop   }     {
      userdict /Adobe_cshow_vars 1 dict dup begin put/_cshow          % -
_cshow proc       {} def      Adobe_cshow begin Adobe_cshow      {          dup
xcheck                 {                 bind              } if       userdict
3 1 roll put           } forall    end   end   } ifelse} def/terminate
      % - terminate -{} def/cshow                     % proc string cshow -{exch
Adobe_cshow_vars  exch /_cshow      exch put    {     0 0 Adobe_cshow_vars
/_cshow get exec  } forall} defcurrentdict readonly pop endsetpacking%
%EndResource%%BeginResource: procset Adobe_customcolor 1.0 0%%Title: (Custom
Color Operators)%%Version: 1.0 %%CreationDate: (5/9/88) ()%%Copyright: ((C)
1987-1990 Adobe Systems Incorporated All Rights Reserved)currentpacking true
setpackinguserdict /Adobe_customcolor 5 dict dup begin put/initialize
      % - initialize -{/setcustomcolor where    {     pop   }     {
      Adobe_customcolor begin Adobe_customcolor      {          dup xcheck
            {                       bind             } if       pop pop         }
forall      end   Adobe_customcolor begin } ifelse} def/terminate           % -
terminate -{currentdict Adobe_customcolor eq    {     end   } if}
def/findcmykcustomcolor % cyan magenta yellow black name findcmykcustomcolor
object{5 packedarray}  def/setcustomcolor      % object tint setcustomcolor -{
exchaload pop pop4      {     4 index mul 4 1 roll    } repeat5 -1 roll pop
setcmykcolor} def/setoverprint          % boolean setoverprint -{pop} def
currentdict readonly pop endsetpacking%%EndResource%%BeginResource: procset
Adobe_IllustratorA_AI3 1.0 2%%Title: (Adobe Illustrator (R) Version 3.0
Abbreviated Prolog)%%Version: 1.0 %%CreationDate: (7/22/89) ()%%Copyright: ((C)
1987-1990 Adobe Systems Incorporated All Rights Reserved)currentpacking true
setpackinguserdict /Adobe_IllustratorA_AI3 61 dict dup begin put% initialization
/initialize                  % - initialize -{% 47 vars, but leave slack of 10
entries for custom Postscript fragmentsuserdict /Adobe_IllustratorA_AI3_vars 57
dict dup begin put% paint operands/_lp /none def/_pf {} def/_ps {} def/_psf {}
def/_pss {} def/_pjsf {} def/_pjss {} def/_pola 0 def/_doClip 0 def% paint
operators/cf      currentflat def   % - cf flatness% typography operands/_tm
matrix def/_renderStart [/e0 /r0 /a0 /o0 /e1 /r1 /a1 /i0] def /_renderEnd [null
null null null /i1 /i1 /i1 /i1] def/_render -1 def/_rise 0 def/_ax 0 def
            % x character spacing   (_ax, _ay, _cx, _cy follows awidthshow
naming convention)/_ay 0 def            % y character spacing/_cx 0 def
            % x word spacing/_cy 0 def            % y word spacing/_leading
[0 0] def/_ctm matrix def/_mtx matrix def/_sp 16#020 def/_hyphen (-) def/_fScl 0
def/_cnt 0 def/_hs 1 def/_nativeEncoding 0 def/_useNativeEncoding 0
def/_tempEncode 0 def/_pntr 0 def/_tDict 2 dict def% typography operators/Tx {}
def/Tj {} def% compound path operators/CRender {} def% printing/_AI3_savepage {}
def% color operands/_gf null def/_cf 4 array def/_if null def/_of false def/_fc
{} def/_gs null def/_cs 4 array def/_is null def/_os false def/_sc {} def/_i
null defAdobe_IllustratorA_AI3 beginAdobe_IllustratorA_AI3 {     dup xcheck
      {          bind       } if  pop pop     } forallendend
Adobe_IllustratorA_AI3 beginAdobe_IllustratorA_AI3_vars beginnewpath}
def/terminate                       % - terminate -{endend} def% definition
operators/_                         % - _ nullnull def/ddef                 %
key value ddef -{Adobe_IllustratorA_AI3_vars 3 1 roll put} def/xput
            % key value literal xput -{dup load dup length exch maxlength eq {
      dup dup load dup  length 2 mul dict copy def    } ifload begin def end} def
/npop                  % integer npop -{ {     pop   } repeat} def% marking
operators/sw                              % ax ay string sw x y {dup length exch
stringwidthexch 5 -1 roll 3 index 1 sub mul add4 1 roll 3 1 roll 1 sub mul add}
def/swj                      % cx cy fillchar ax ay string swj x y{dup 4 1 roll
dup length exch stringwidth exch 5 -1 roll 3 index 1 sub mul add4 1 roll 3 1
roll 1 sub mul add 6 2 roll /_cnt 0 ddef{1 index eq {/_cnt _cnt 1 add ddef} if}
forall popexch _cnt mul exch _cnt mul 2 index add 4 1 roll 2 index add 4 1 roll
pop pop} def/ss                           % ax ay string matrix ss -{4 1 roll{
                        % matrix ax ay char 0 0 {proc} -    2 npop      (0) exch
2 copy 0 exch put pop   gsave false charpath currentpoint   4 index setmatrix
      stroke      grestore    moveto      2 copy rmoveto    } exch cshow3 npop}
def/jss                      % cx cy fillchar ax ay string matrix jss -{4 1
roll  {                      % cx cy fillchar matrix ax ay char 0 0 {proc} -
      2 npop      (0) exch 2 copy 0 exch put    gsave _sp eq           {
      exch 6 index 6 index 6 index 5 -1 roll widthshow          currentpoint
            }           {           false charpath currentpoint        4 index
setmatrix stroke       }ifelse     grestore    moveto      2 copy rmoveto    }
exch cshow6 npop} def% path operators/sp                         % ax ay string
sp -{ {     2 npop (0) exch   2 copy 0 exch put pop   false charpa#i#À #th    2
copy rmoveto      } exch cshow2 npop} def/jsp                          % cx cy
fillchar ax ay string jsp -{  {                              % cx cy fillchar ax
```

```
} ddef/_lp /none ddef} def/K                         % cyan magenta yellow black
K -{_cs astore pop/_sc{_lp /stroke ne    {     _os setoverprint  _cs aload pop
setcmykcolor     /_lp /stroke ddef } if} ddef/_ps{_scstroke} ddef/_pss{_scss}
ddef/_pjss{_scjss} ddef/_lp /none ddef} def/x                          % cyan
magenta yellow black name gray x -{/_gf exch ddeffindcmykcustomcolor/_if exch
ddef/_fc{ _lp /fill ne  {     _of setoverprint  _if _gf 1 exch sub
setcustomcolor   /_lp /fill ddef   } if} ddef/_pf{_fcfill} ddef/_psf{_fcashow}
ddef/_pjsf{_fcawidthshow} ddef/_lp /none ddef} def/X                          %
cyan magenta yellow black name gray X -{/_gs exch ddeffindcmykcustomcolor/_is
exch ddef/_sc{_lp /stroke ne {     _os setoverprint  _is _gs 1 exch sub
setcustomcolor   /_lp /stroke ddef } if} ddef/_ps{_scstroke} ddef/_pss{_scss}
ddef/_pjss{_scjss} ddef/_lp /none ddef} def% locked object operator/A
                  % value A -{pop} defcurrentdict readonly pop endsetpacking%
annotate page operator/annotatepage{} def%%EndResource%%EndProlog%%BeginSetup
Adobe_cmykcolor /initialize get execAdobe_cshow /initialize get exec
Adobe_customcolor /initialize get execAdobe_IllustratorA_AI3 /initialize get
exec%%EndSetup0 Au0 O1 0.72 0 0.56 (PANTONE 282 CV) 0 x0 R0.2 0.4 0.9 0 (P42) 0
X0 i 0 J 0 j 16 w 4 M []0 d%AI3_Note:0 D298.0201 -17.4745 m527.477 -17.4745
713.4946 168.5431 713.4946 398 c713.4946 627.4569 527.477 813.4745 298.0201
813.4745 c68.5632 813.4745 -117.4544 627.4569 -117.4544 398 c-117.4544 168.5431
68.5632 -17.4745 298.0201 -17.4745 cb298.0201 398 mBUu0.87 0.185 0 0 (PANTONE
299 CV) 0 x12 w298 61.981 m483.5754 61.981 634.019 212.4246 634.019 398 c634.019
583.5754 483.5754 734.019 298 734.019 c112.4246 734.019 -38.019 583.5754 -38.019
398 c-38.019 212.4246 112.4246 61.981 298 61.981 cb298 398 mBUu0.03 0.1 0.9 0
(P3) 0 x1 w303.8571 681.9919 m318.8656 682.1652 L306.8408 673.2075 L311.6899
659.042 L299.4084 667.6553 L287.4808 658.7209 L291.8311 673.0082 L279.6943
681.646 L294.5804 681.8688 L299.0911 696.1358 L303.8571 681.9919 Lf0.2 0.4 0.9 0
(P42) 0 x279.6819 681.6473 m299.3645 675.542 l287.5185 658.7754 l291.8013
673.0817 l279.6819 681.6473 lf299.0911 696.1358 m299.2734 675.542 l294.6261
681.9207 l299.0911 696.1358 lf303.8295 682.0118 m303.7384 682.0118 299.2734
675.542 299.3645 675.542 c299.4556 675.542 318.7737 682.194 y303.8295 682.0118 l
f299.3645 675.542 m299.3645 667.6143 l311.575 659.1399 l299.3645 675.542 lf0 R
0.115 0 0.76 0 (PANTONE 387 CV) 0 X1 J280.449 681.4434 m299.268 675.6529 lS
287.9204 659.3861 m299.2429 675.4944 lS311.2068 659.6755 m299.3858 675.4216 lS
318.1275 681.9115 m299.4992 675.5351 lS299.1186 695.3648 m299.4264 675.678 lSUu0
O0.03 0.1 0.9 0 (P3) 0 x0 J251.9214 677.678 m266.6342 680.6475 L256.4911
669.6042 L263.8971 656.5917 L250.2246 662.7632 L240.1727 651.761 L241.7819
666.6089 L228.2471 672.8316 L242.8304 675.8269 L244.6011 690.6849 L251.9214
677.678 Lf0.2 0.4 0.9 0 (P42) 0 x228.2347 672.8305 m248.7106 670.5034 l240.1996
651.8216 l241.7389 666.6756 l228.2347 672.8305 lf244.6011 690.6849 m248.621
670.4864 l242.8656 675.8863 l244.6011 690.6849 lf251.8906 677.6923 m251.8011
677.6754 248.621 670.4864 248.7106 670.5034 c248.8001 670.5204 266.5385 680.6586
y251.8906 677.6923 lf248.7106 670.5034 m250.1891 662.7148 l263.7659 656.6664 l
248.7106 670.5034 lf0 R0.115 0 0.76 0 (PANTONE 387 CV) 0 X1 J229.0264 672.7733 m
248.595 670.5943 lS240.4805 652.4965 m248.5999 670.4339 lS263.3043 657.124 m
248.754 670.3891 lS265.9563 680.2606 m248.8442 670.5217 lS244.7718 689.9325 m
248.746 670.6485 lSUu0 O0.03 0.1 0.9 0 (P3) 0 x0 J201.5326 664.5493 m215.4335
670.2108 L207.5279 657.4695 L217.231 646.0666 L202.6473 649.5798 L194.8238
636.8959 L193.6356 651.7834 L179.1776 655.3724 L192.9465 661.0352 L191.9149
675.9626 L201.5326 664.5493 Lf0.2 0.4 0.9 0 (P42) 0 x179.1656 655.3691 m199.7163
656.9017 l194.8389 636.9604 l193.5809 651.8409 l179.1656 655.3691 lf191.9149
675.9626 m199.6315 656.8683 l192.9699 661.1001 l191.9149 675.9626 lf201.4997
664.5577 m201.4149 664.5243 199.6315 656.8683 19#i#À #9.7163 656.9017 c199.801
656.9351 215.3374 670.2039 y201.4997 664.5577 lf199.7163 656.9017 m202.6215
649.5256 l217.0882 646.1155 l199.7163 656.9017 lf0 R0.115 0 0.76 0 (PANTONE 387
CV) 0 X1 J179.9541 655.4605 m199.5858 656.9695 lS194.9891 637.6759 m199.6205
656.8129 lS216.5493 646.479 m199.7802 656.7975 lS214.8396 669.7042 m199.8442
656.9446 lS192.223 675.2553 m199.7241 657.0509 lSUu0 O0.03 0.1 0.9 0 (P3) 0 x0 J
153.4942 642.0665 m166.0952 650.2213 L160.7048 636.2292 L172.3643 626.836 L
157.3813 627.5676 L152.0607 613.6472 L148.1167 628.0518 L133.2431 628.8813 L
145.7141 637.0127 L141.9166 651.4858 L153.4942 642.0665 Lf0.2 0.4 0.9 0 (P42) 0
x133.2319 628.8759 m153.1361 634.2144 l152.0635 613.7133 l148.0522 628.0981 l
```